

# Comparisons of Job Characteristics

**Focus Occupation:** Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

**Associated Occupation:** Refractory Materials Repairers, Except Brickmasons (49-9045)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 72

**Focus Occupation:** Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

**Associated Occupation:** Refractory Materials Repairers, Except Brickmasons (49-9045)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.6	7.3	<<	Extensive education and/or training may be required
Production and Processing	6.0	7.4	8.6	>	Current knowledge level is likely sufficient
Chemistry	4.8	5.5	7.3	>>	Current knowledge level is likely more than sufficient
Building and Construction	4.0	4.8	2.9	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

**Associated Occupation:** Refractory Materials Repairers, Except Brickmasons (49-9045)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	9.6	11.8	>	Skill level is likely sufficient
Operation and Control	5.4	8.4	12.0	>>	Skill level is likely more than sufficient
Repairing	3.4	8.3	8.1	0	Current skill level may be sufficient
Equipment Maintenance	3.5	8.0	8.9	>	Skill level is likely sufficient
Troubleshooting	4.5	7.9	7.3	0	Current skill level may be sufficient
Equipment Selection	3.3	5.6	6.7	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 78			
Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191) Associated Occupation: Refractory Materials Repairers, Except Brickmasons (49-9045)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.0	9.9	<	Some improvement in abilities may be required
Extent Flexibility	4.8	10.6	8.4	<	Some improvement in abilities may be required
Manual Dexterity	6.5	10.0	10.3	0	Current ability level may be sufficient
Multilimb Coordination	6.0	9.7	10.8	>	Current ability level is likely sufficient
Trunk Strength	5.7	9.1	10.0	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	8.9	3.5	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	8.3	11.6	>>	Current ability level is likely more than sufficient
Gross Body Coordination	3.9	6.9	7.8	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 57
<b>Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)</b> <b>Associated Occupation: Refractory Materials Repairers, Except Brickmasons (49-9045)</b>		
Work Activities	Exclusivity of Activity	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Move or fit heavy objects	8	
Operate hoist, winch, or hydraulic boom	34	
Read work order, instructions, formulas, or processing charts	9	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: n/a
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<b>Focus Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)</b> <b>Associated Occupation: Refractory Materials Repairers, Except Brickmasons (49-9045)</b>
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Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.